WHAT I CLAIM IS:

A support structure for isolating earthquake motions, comprising:

a pressure receiving concave-curved steel plate connected with a structure foundation; and

a pressure applying convex-curved steel plate
.
connected with a foundation column oppositing to
said concave-curved steel plate, thus forming a
gauge portion between them;

a means of interposing two types of pluralities of steel balls in said gauge between the concave-

a means of arranging one type of said balls
to be made with (less accuracy) smaller diameter
than that of other group of balls:

a means of surrounding two types of pluralities of steel balls with aligning frame so that they are mounted to come in point contact in all directions;

a means of isolating a linkage of earthquake

motions by confrictless rolling slide of said types of steel balls, a group of pressure receiv-ing larger balls and a group of pressure applyig smaller balls;

a means of covering all the surface of top and bottom steel plates except said curved surfaces with concrete, thus forming a column as a foundation of a constructure;

a means of jointing said column including said pressure applying convex curved surface with a foundation of a structure by bolts and nuts;

a means of isolating the linkage of earthquake motions to the structure by unified simultaneous rolling of said two types of balls;

2. A support structure for isolating earthquake motions as claimed in claim $\mathbf{1}$;

a means of moving the structural column vertically by foundation pressure receiving curved
surface, thereby, stops a propagating movement of
earthquake by shock absorber effect of

which isolating the earthquake motion and stopp-ing the free movement.

3. A support structure for isolating earthquake motions as claimed in claim 1;

a means of giving the foundation hoop a function of suppress the foundation column not to remove from the pressure receiving balls when jump-up phenomenon caused by directly under earthquake or float-up phenomenon caused by typhoon, in this case the hoop is put on the foundation.